

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claims 1-2 (cancelled).

3. (Currently Amended) A method for lung volume reduction, said method comprising:

isolating a lung tissue segment;

insufflating ~~aspirating~~ the isolated segment with an oxygen-rich gas to cause the segment to collapse by absorption atelectasis; and

sealing an air passage which opens to the lung segment to inhibit reinflation of the segment.

4. (Original) The method of claim 3, wherein sealing comprises deploying a plug in the air passage.

5. (Original) The method of claim 4, wherein deploying comprises advancing the plug through a catheter to the air passage.

6. (New) A method as in claim 3, wherein the gas is at least 50% oxygen by volume.

7. (New) A method as in claim 6, wherein the gas is at least 75% oxygen by volume.